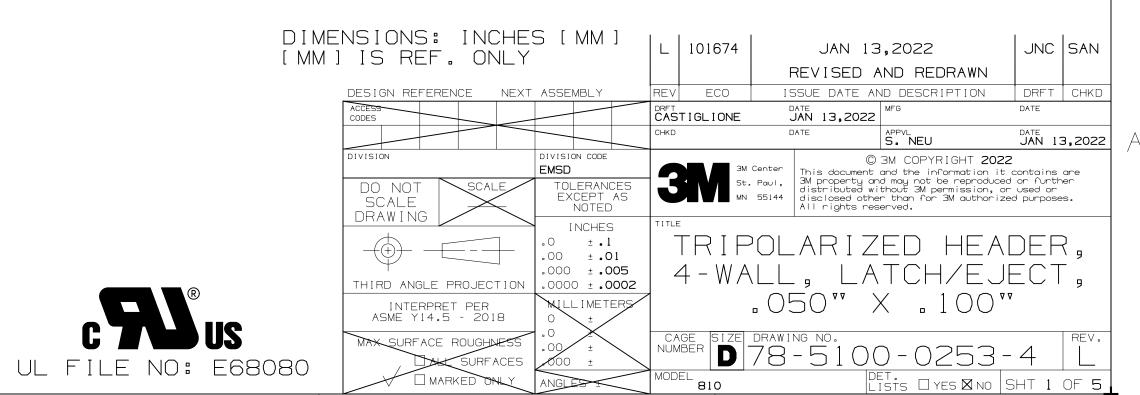


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V				NOTES	
3	RIPOLARIZED FOR ROBUST AL M™ 820 SERIES SOCKET.		1.	REGULATORY INFORMATION: VISIT 3M.com/regs	
T * L * A * H P	VAILABLE FOR THROUGH HOLE	PRODUCTS. D HIGH PERFORMANCE APPLICATIONS. OR SURFACEMOUNT ATTACHMENT. DR LEAD FREE SURFACEMOUNT OR THODS.	2	UNLESS OTHERWISE NOTED, REFERENCES TO INDUSTRY SPECIFICATIONS ARE INTENDED TO INDICATE SUBSTANTIAL COMPLIANCE TO THE MATERIAL ELEMENTS OF THE SPECIFICATION. SUCH REFERENCES SHOULD NOT BE CONSTRUED AS A GUARANTEE OF COMPLIANCE TO ALL REQUIREMENTS IN A GIVEN SPECIFICATION.	
			3	THIS POLARIZING SLOT DOES NOT EXIST ON THE 20 POSITION HEADER.	
			4	RECOMMENDED TO BE MATED TO THE .050" X .100" 3M™ 820XX SERIES SOCKETS, TS-0254.	
2 P+	HYSICAL:		5	SOLDER THIEF SOLDER PADS REQUIRED ONLY ON SOLDER SIDE OF PC BOARD.	
	INSULATION: MATERIAL: HIGH TEMRER FLAMMABILITY: UL94V-0 COLOR: BLACK CONTACT: MATERIAL: COPPER ALLO PLATING: JNDER PLATING: 50µ"-150µ" WIPING AREA: 30µ" [0.76µ SOLDER TAILS: 100µ"-300µ"	Y [1.27µm-3.81µm] NICKEL-OVERALL	7	A DUMMY OR SOLDER THIEF SOLDER PAD AT THE END OF EACH ROW IS RECOMMENDED ON THE BOTTOM OR SOLDER SIDE OF THE PC BOARD IN ORDER TO HELP PREVENT SOLDER BRIDGING ON THE END SOLDER TAILS. THE SOLDER THIEFS ARE ONLY REQUIRED ON THE END OF THE ROWS WHICH THE SOLDER BATH LAST. RECOMMENDED TO PROCESS PC BOARDS THROUGH THE SOLDER BATH SUCH THAT THE CONNECTOR ENTERS END FIRST	
				(TWO SOLDER TAILS AT A TIME). THIS WILL PREVENT SOLDER BRIDGING.	
		ONTACT POWERED ONTACTS POWERED CONTACTS POWERED	8	IN ORDER TO FACILITATE SOLDERING IT IS RECOMMENDED THAT EJECTOR LATCHES BE INSTALLED AFTER THE SOLDERING PROCESS.	C
TEMPE	NG CONDITIONS: EIA-364-070 ERATURE RISE, 20% DERATED. RODUCT SPECIFICATION FOR D				
	ON RESISTANCE: >1 X 10ºΩ A' Nding voltage: 500v _{rms} at si				Z
2 ENVIRON	NMENTAL :				REVISIO
TEMPER	RATURE RATING: -55°C TO +1	05° C			4

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TEMPERATURE RATING: -55°C TO +105°C PROCESS RATING: MAXIMUM 260°C MOISTURE SENSITIVITY LEVEL: 1 (PER J-STD-020C)



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3M[™] 4-WALL, TRIPOLARIZED HEADER, 810 SERIES .050" X .100" LATCH/EJECTOR, PTH AND SMT STRAIGHT, PTH RIGHT ANGLE

	TABLE 1						
CONTACT QTY.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D" Short	DIM. "D" Long		
020	1.060	.722	.500	1.671	1.842		
	[26.92]	[18.34]	[12.70]	[42.44]	[46.79]		
026	1.210	.872	.650	1.821	1.992		
	[30.73]	[22.15]	[16.51]	[46.25]	[50.60]		
036	1.460	1.122	.900	2.071	2.242		
	[37.80]	[28.50]	[22.86]	[52.60]	[56.95]		
040	1.560	1.222	1.000	2.171	2.342		
	[39.62]	[31.04]	[25.40]	[55.14]	[59.49]		
050	1.810	1.472	1.250	2.421	2.592		
	[45.97]	[37.39]	[31.75]	[61.49]	[65.84]		
060	2.060	1.722	1.500	2.671	2.842		
	[52.32]	[43.74]	[38.10]	[67.84]	[72.19]		
068	2.260	1.922	1.700	2.871	3.042		
	[57.40]	[48.82]	[43.18]	[72.92]	[77.27]		
080	2.560	2.222	2.000	3.171	3.342		
	[65.02]	[56.44]	[50.80]	[80.54]	[84.89]		
100	3.060	2.722	2.500	3.671	3.842		
	[77.72]	[69.14]	[63.50]	[93.24]	[97.59]		

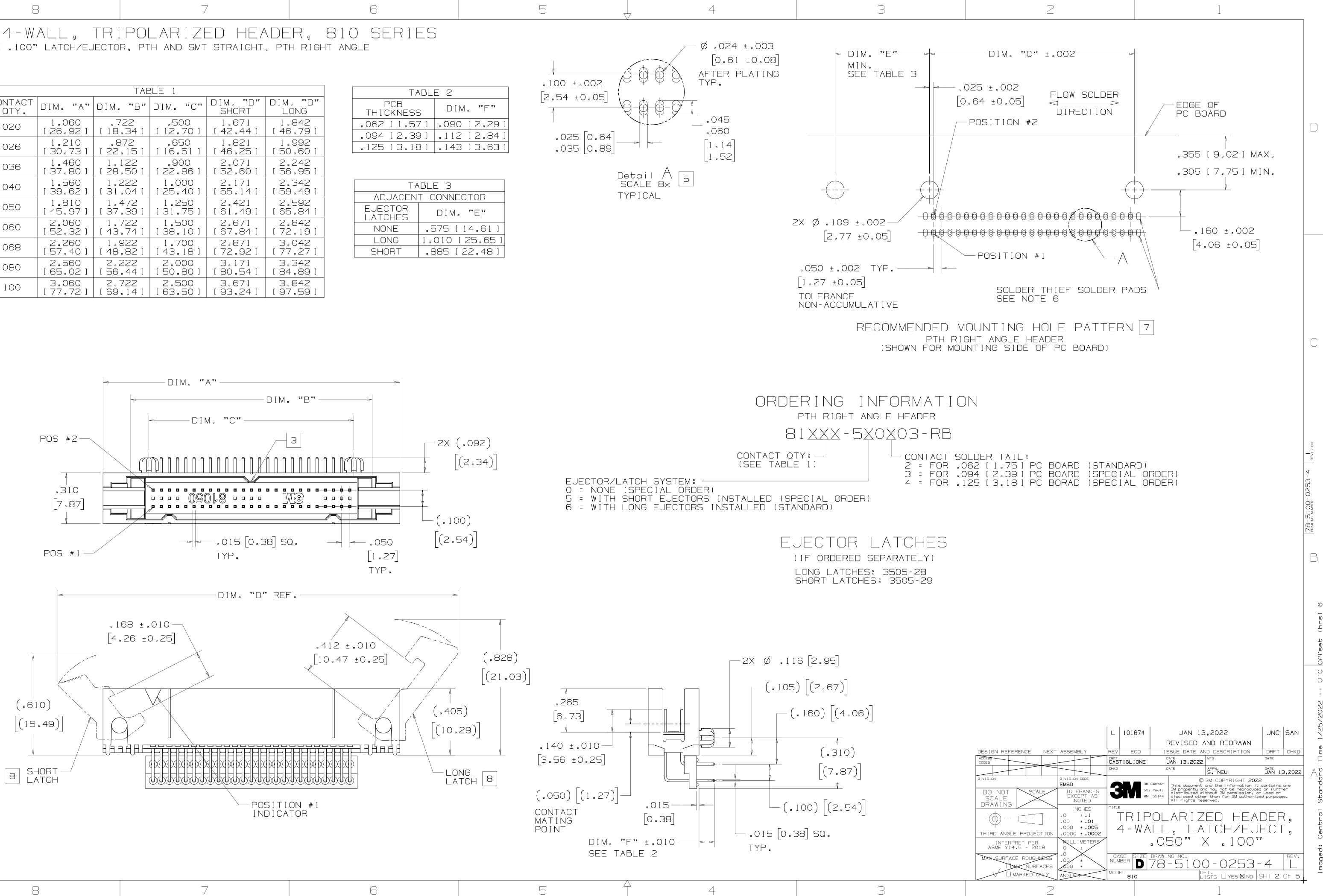
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TABL	_
PCB	
THICKNESS	
.062 [1.57]	
.094 [2.39]	
.125 [3.18]	

TA	BLE
ADJACEN	T COI
EJECTOR LATCHES	D
NONE	<u></u> 57
LONG	1.01
SHORT	.88



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3M[™] 4-WALL, TRIPOLARIZED HEADER, 810 SERIES .050" X .100" LATCH/EJECTOR, PTH AND SMT STRAIGHT, PTH RIGHT ANGLE

TABLE 4					
CONTACT QTY.	DIM. "A"	DIM. "B"	DIM. "C" Short	DIM. "C" Long	DIM. "D"
020	1.060	.722	1.671	1.842	.860
	[26.92]	[18.34]	[42.44]	[46.79]	[21.84]
026	1.210	.872	1.821	1.992	1.010
	[30.73]	[22.15]	[46.25]	[50.60]	[25.65]
036	1.460	1.122	2.071	2.242	1.260
	[37.80]	[28.50]	[52.60]	[56.95]	[32.00]
040	1.560	1.222	2.171	2.342	1.360
	[39.62]	[31.04]	[55.14]	[59.49]	[34.54]
050	1.810	1.472	2.421	2.592	1.610
	[45.97]	[37.39]	[61.49]	[65.84]	[40.89]
060	2.060	1.722	2.671	2.842	1.860
	[52.32]	[43.74]	[67.84]	[72.19]	[47.24]
068	2.260	1.922	2.871	3.042	2.060
	[57.40]	[48.82]	[72.92]	[77.27]	[52.32]
080	2.560	2.222	3.171	3.342	2.360
	[65.02]	[56.44]	[80.54]	[84.89]	[59.94]
100	3.060	2.722	3.671	3.842	2.860
	[77.72]	[69.14]	[93.24]	[97.59]	[72.64]

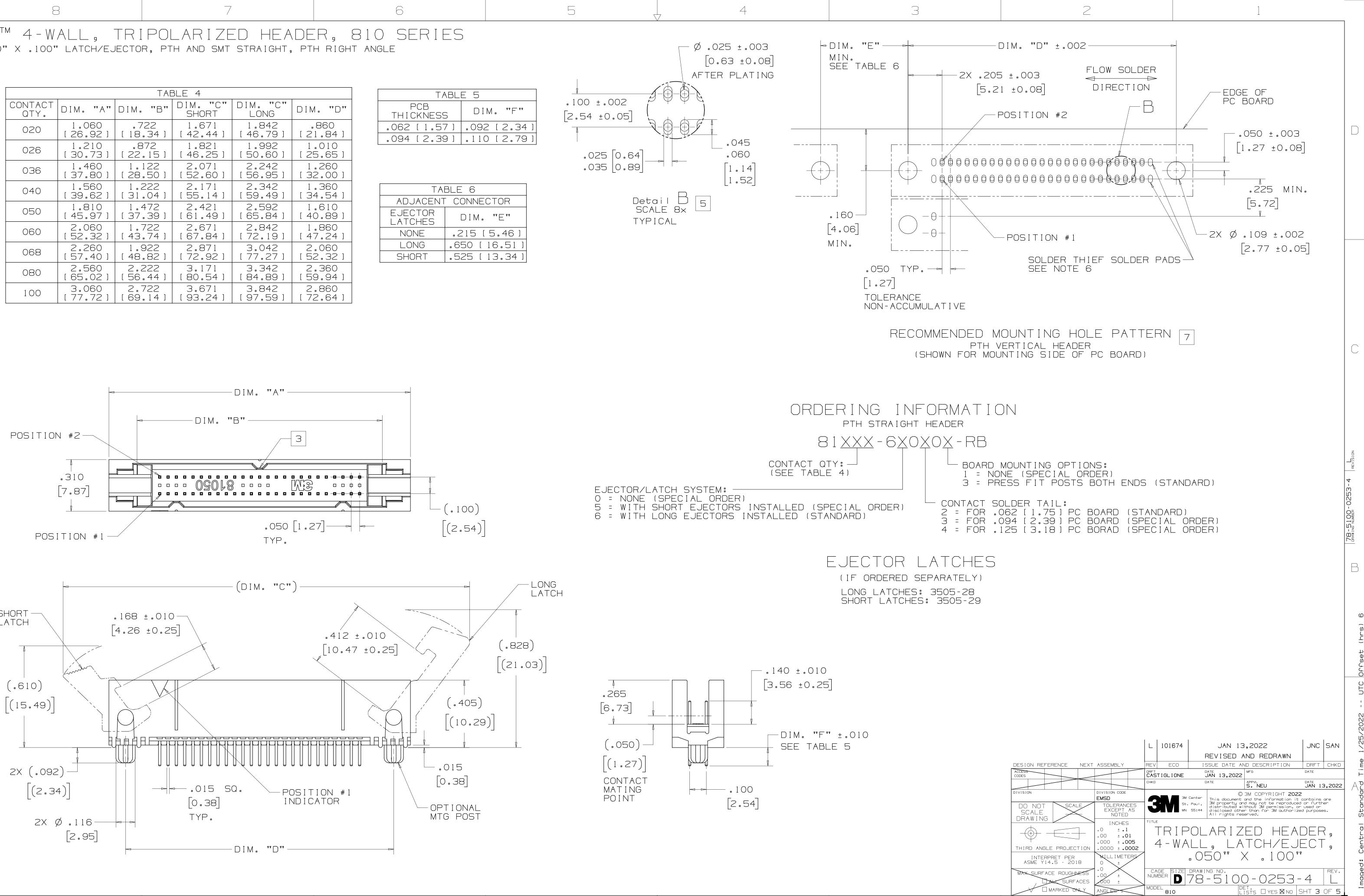
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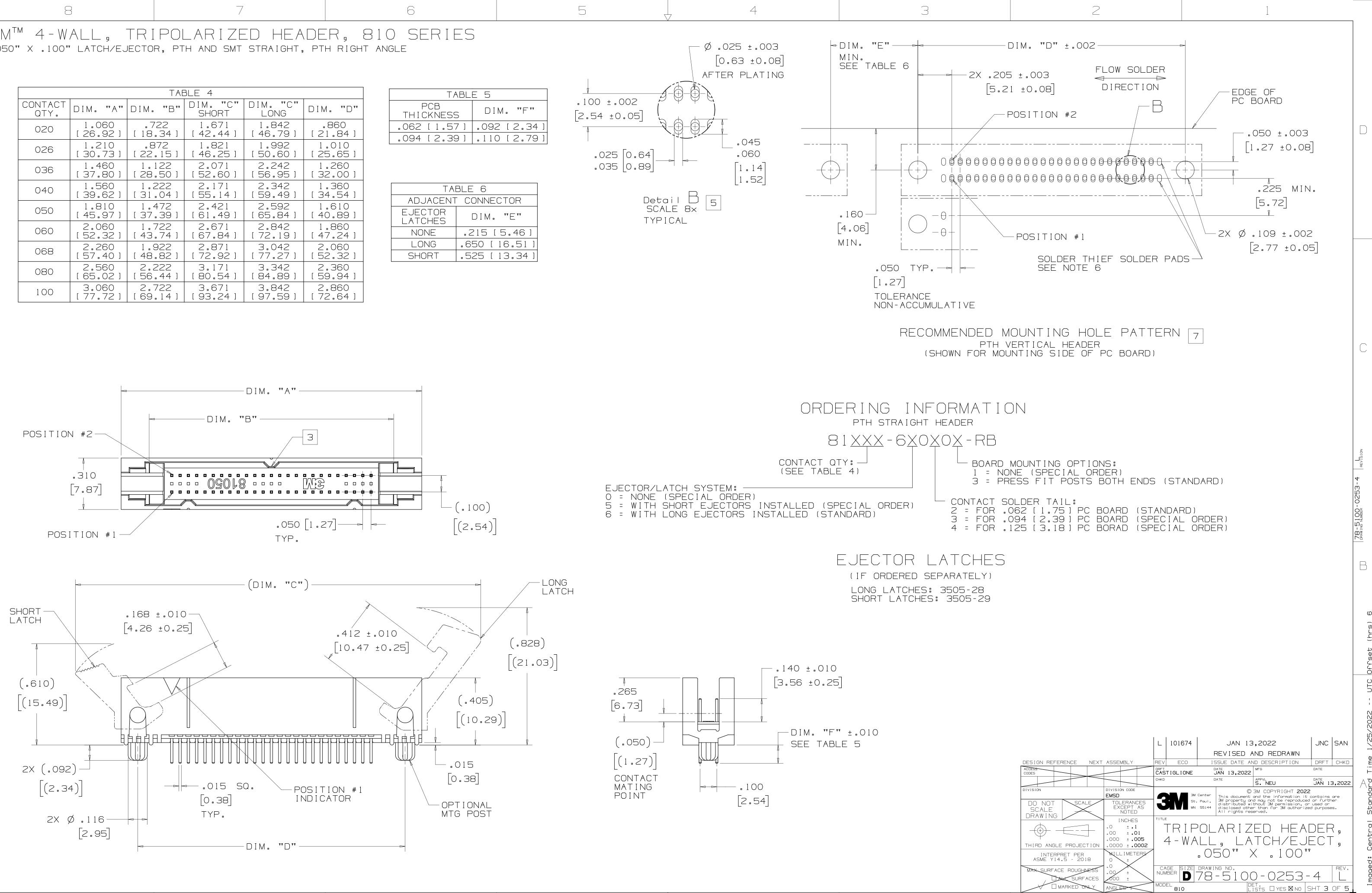
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TABLI	-
PCB	
THICKNESS	
.062 [1.57]	. (
.094 [2.39]	

TA	BLE 6
ADJACENT	CON
EJECTOR LATCHES	DI
NONE	.21 ⁵
LONG	<u>.</u> 650
SHORT	.525





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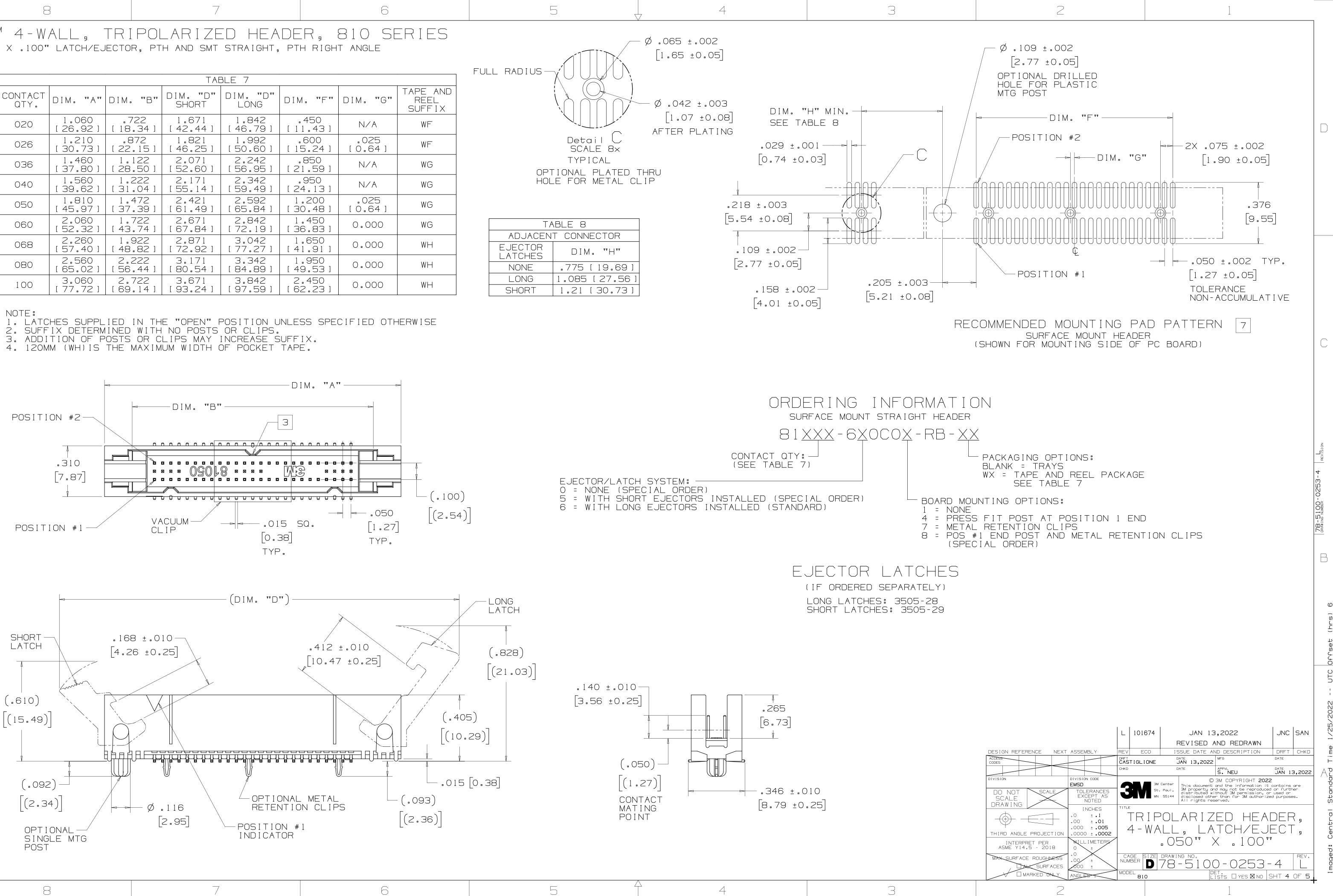
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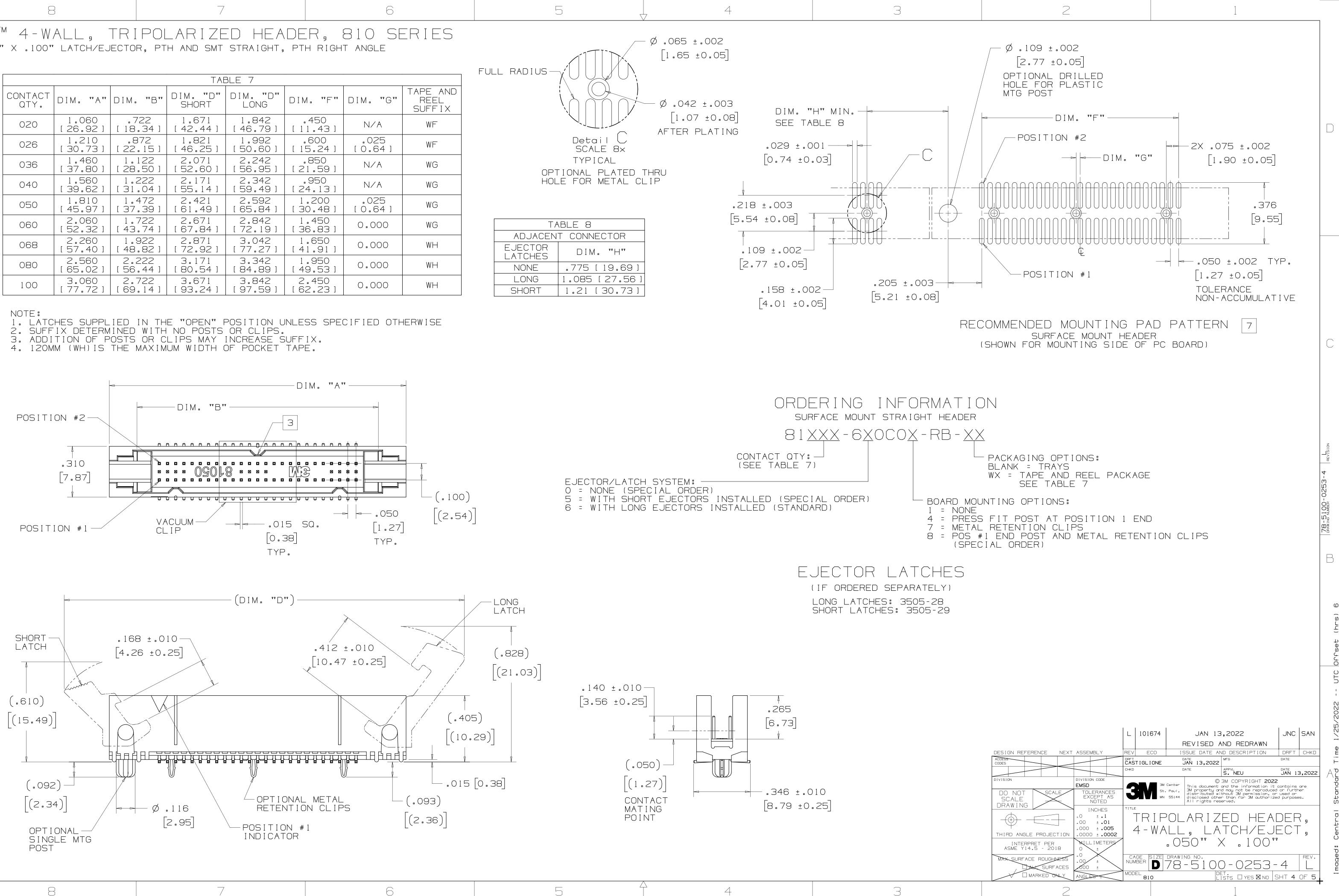
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.050" X .100" LATCH/EJE	CTOR, PTH AND SMT STRAIGHT, PT	H RIGHT ANGLE

	TABLE 7						
CONTACT QTY.	DIM. "A"	DIM. "B"	DIM. "D" SHORT	DIM. "D" Long	DIM. "F"	DIM. "G"	TAPE AND REEL SUFFIX
020	1.060 [26.92]	.722 [18.34]	1.671 [42.44]	1.842 [46.79]	.450 [11.43]	NZA	WF
026	1.210 [30.73]	.872 [22.15]	1.821 [46.25]	1.992 [50.60]	.600 [15.24]	.025 [0.64]	WF
036	1.460 [37.80]	1.122 [28.50]	2.071 [52.60]	2.242 [56.95]	.850 [21.59]	NZA	WG
040	1.560 [39.62]	1.222 [31.04]	2.171 [55.14]	2.342 [59.49]	.950 [24.13]	NZA	WG
050	1.810 [45.97]	1.472 [37.39]	2.421 [61.49]	2.592 [65.84]	1.200 [30.48]	.025 [0.64]	WG
060	2.060 [52.32]	1.722 [43.74]	2.671 [67.84]	2.842 [72.19]	1.450 [36.83]	0.000	WG
068	2.260 [57.40]	1.922 [48.82]	2.871 [72.92]	3.042 [77.27]	1.650 [41.91]	0.000	WН
080	2.560 [65.02]	2.222 [56.44]	3.171 [80.54]	3.342 [84.89]	1.950 [49.53]	0.000	WН
100	3.060 [77.72]	2.722 [69.14]	3.671 [93.24]	3.842 [97.59]	2.450 [62.23]	0.000	WН

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Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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